

		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 N. Randolph Street Suite 1425 Arlington VA 22203-1995	
				3b. CFDA: 12.300	
1. INSTRUMENT TYPE: Grant Award		3c. DUNS NUMBER: 002257350			
2. AUTHORITY: 10 USC 2358 and 31 USC 6304, as amended		7. PR NO.: 1000009340			
4. AWARD NO.: N00014-18-1-2357		5. MODIFICATION NO.:		6. MODIFICATION TYPE: NEW	
8. ACTIVITY/AGENCY PROPOSAL NO.: GRANT12593921		9. RECIPIENT PROPOSAL NO.:		10. PROPOSAL DATE: 03212018	
11. ACTIVITY TYPE: R&D		12. PROGRAM TYPE: ONR			
13. ISSUED TO 13a. ADDRESS: SYRACUSE UNIVERSITY SU 900 S CROUSE AVE STE 620 SYRACUSE NY 13244-0001 UNITED STATES OF AMERICA		13b. CAGE: 03587		13c. EDI/EFT NUMBER: N/A	
13d. BUSINESS OFFICE CONTACT: Amy Deppa		14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as Block # 13			
13e. TELEPHONE NUMBER: 315-443-9355					
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Phase Change in High-Density Confined Liquids for Thermal Management					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:				\$0.00	
OBLIGATED BY THIS ACTION:				\$27,006.00	
TOTAL OBLIGATED ON AWARD:				\$27,006.00	
FUTURE FUNDING:				\$473,871.00	
GRANT TOTAL:				\$500,877.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 07/01/2018 THROUGH 06/30/2021					
19. ACCOUNTING AND APPROPRIATION DATA: See Attached Financial Accounting Data Sheet(s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: Shalabh Maroo		21. TECHNICAL REPRESENTATIVE 21a. NAME: MARK SPECTOR		21b. CODE: 331	
		21c. ADDRESS: ONR SHIP SYSTEMS & ENGINEERING DIV 875 N. Randolph Street Arlington VA 22203-1995			
20b. TELEPHONE NUMBER: 315-443-2107		20c. EMAIL ADDRESS: scmaroo@syr.edu		21d. TELEPHONE NUMBER:	
				21e. EMAIL ADDRESS: MARK.SPECTOR@NAVY.MIL	
22. AWARDDING OFFICE CONTACT 22a. NAME: ERNEST L MARSHALL		22b. CODE: BD025		23a. ADMINISTRATIVE OFFICE: ONR REG Office Boston Telephone: (617) 753-4004 Email: ONR_Boston@navy.mil 495 Summer Street, Room 627 BOSTON MA 02210-2109	
22c. ADDRESS: Office of Naval Research 875 N. Randolph Street, Suite 1425 Arlington, VA 22203-1995				23b. CODE: N62879	
22d. TELEPHONE NUMBER:		22e. EMAIL ADDRESS: ERNEST.MARSHALL@NAVY.MIL			
24. SUBMIT PAYMENT REQUEST TO: Same as block 23a		25a. PAYING OFFICE DFAS-CO/NORTH ENTITLEMENT OPERATIONS HQ0337 PO Box 182266 COLUMBUS OH 43128		25b. CODE: HQ0337	
				26a. PATENT OFFICE: Office of Naval Research ATTN: ONR Office of Counsel Intellectual Property Section One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995	
				26b. CODE: N00014	

AWARD NO. N00014-18-1-2357		AWARD/MODIFICATION		MODIFICATION NO.																						
27. SPECIAL INSTRUCTIONS: See Special Requirements on Page 5																										
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx																										
This award provides full delegation to the administrative office in Block 23 of the grant. Full delegation includes the functions described in the DoDGARs at 32 CFR 22.715 and the administrative grants officer functions related to payments described in 32 CFR 22.810.																										
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.																										
<table border="1"> <thead> <tr> <th>DOCUMENT</th> <th>URL</th> </tr> </thead> <tbody> <tr> <td colspan="2"> The following documents may be found at : http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx DOD RESEARCH AND DEVELOPMENT GENERAL TERMS AND CONDITIONS (SEPT 2017) UAWA AWARD A (SEP 2017) ONR ADDENDUM TO THE DOD RESEARCH GENERAL TERMS AND CONDITIONS AND ONR PROGRAMMATIC REQUIREMENTS (SEPT 2017) </td> </tr> </tbody> </table>							DOCUMENT	URL	The following documents may be found at : http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx DOD RESEARCH AND DEVELOPMENT GENERAL TERMS AND CONDITIONS (SEPT 2017) UAWA AWARD A (SEP 2017) ONR ADDENDUM TO THE DOD RESEARCH GENERAL TERMS AND CONDITIONS AND ONR PROGRAMMATIC REQUIREMENTS (SEPT 2017)																	
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(3)																										
(4)																										
31. REPORTS: The reporting requirements under this award are specified in the articles of part 5 (Financial, Programmatic, and Property Reporting) to the DoD R&D general Terms and Conditions and in the additional language for Part 5 in the ONR Addendum to the DoD R&D General Terms and Conditions.																										
32. FOR THE RECIPIENT				33. FOR THE UNITED STATES OF AMERICA																						
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN				33a. SIGNATURE OF AWARING OFFICER Digitally signed by VANESSA SEYMOUR 1061137463 Dated: 2018.04.20 10:36:22 EST																						
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER		33c. DATE SIGNED																					
			VANESSA SEYMOUR		04/20/2018																					

FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-18-1-2357			2. SPIIN (CRITICAL)		3. MOD (CRITICAL)			4. PR NUMBER 1000009340									
CLIN/SLIN	6. LINE OF ACCOUNTING													7. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE						
											PROJ UNIT	MCC	PDLI & SUF				
	AA	1781319	W1AE	410	00	014	0	050120	2D	000000	000024	175	071	\$27,006.00			
PAGE TOTAL														\$27,006.00			
GRAND TOTAL														\$27,006.00			
PREPARED/AUTHORIZED BY:						COMPTROLLER APPROVAL:											
DATE:						FOR FISCAL DATA AND SIGNATURE											
						BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED											
DATE:						DATE:											

FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-18-1-2357		2. SPIIN (CRITICAL)		3. MOD (CRITICAL)		4. PR NUMBER 1000009340		
5. CLIN/SLIN	6. ACRN (CRITICAL)	7. ACCOUNTING CITATION				8. AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
						PAGE TOTAL		
						GRAND TOTAL		
PREPARED/AUTHORIZED BY:				COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE				
DATE:				BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED				
				DATE:				

AWARD NO. N00014-18-1-2357	SPECIAL REQUIREMENTS	MODIFICATION NO.	
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The Following payment instructions are hereby provided:

Payment Office:

The payment office shall make payment in sequential ACRN order within the award, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: alpha/alpha; alpha/numeric; numeric/alpha; and numeric/numeric ACRN sequence...

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Grantee:

Payment guides are available on the ONR website at the following link: <http://www.onr.navy.mil/Contracts-Grants/manage-grant/grants-payment/electronic-payment.aspx>..

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Reports

Block 31 of this award form, including any information in the header and underlying rows of that block, is hereby deleted in its entirety and replaced by the following language: "The reporting requirements under this award are specified in the articles of Part 5 (Financial, Programmatic, and Property Reporting) to the DoD R&D General Terms and Conditions and in the additional language for Part 5 in the ONR Addendum to the DoD R&D General Terms and Conditions".